

EMERGENCY PHONE NUMBERS

During Office Hours, 8:30 A.M. - 4:30 P.M.
Call (201) 499-2401
After Hours
Call (201) 499-2445

Feb. 1977

CHEMICAL NAME: Nickel Carbonate

SYNONYMS: N/A

CHEMICAL FAMILY: Nickel Compounds

FORMULA: NiCO_3

MOLECULAR WEIGHT: 118.70

TRADE NAME AND SYNONYMS: M&T* Nickel Carbonate, Dustless

I. HAZARDOUS INGREDIENTS

MATERIAL	%	TLV (Units)
Nickel	27	0.1mg/M ³

II. PHYSICAL DATA

BOILING POINT, 760 mm. Hg		FREEZING POINT	
SPECIFIC GRAVITY (H ₂ O = 1)		VAPOR PRESSURE at 20°C.	
VAPOR DENSITY (air = 1)		SOLUBILITY IN WATER, % by wt. at 20°C.	Slight
PER CENT VOLATILES BY VOLUME	about 25	EVAPORATION RATE (Butyl Acetate = 1)	
APPEARANCE AND ODOR	Moist Green Powder Characteristic Odor		

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (test method)	N/A	AUTOIGNITION TEMPERATURE	N/A
FLAMMABLE LIMITS IN AIR, % by volume	LOWER		UPPER
EXTINGUISHING MEDIA	<input checked="" type="checkbox"/> Water Spray <input checked="" type="checkbox"/> Carbon Dioxide <input type="checkbox"/> Other <input checked="" type="checkbox"/> Foam <input checked="" type="checkbox"/> Dry Chemical		
SPECIAL FIRE FIGHTING PROCEDURES	<input checked="" type="checkbox"/> Avoid Eye and Skin Contact <input checked="" type="checkbox"/> Do Not Breathe Fumes or dust <input type="checkbox"/> Other		
UNUSUAL FIRE AND EXPLOSION HAZARDS	Dry dust may be irritating.		

HEALTH HAZARD DATA Nickel Carbonate

THRESHOLD LIMIT VALUE	0.1mg/M ³ as Nickel.		
EFFECTS OF OVEREXPOSURE	May cause irritation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.		
EMERGENCY AND FIRST AID PROCEDURES	EYE Flush with flowing water at least 15 minutes	Wash skin thoroughly with soap and water. Remove contaminated clothing. For inhalation move exposed individual to a non-contaminated area. Get prompt medical aid.	Never give fluids or induce vomiting if patient is unconscious or having convulsions

V. REACTIVITY DATA

STABILITY		CONDITIONS TO AVOID	
UNSTABLE	STABLE		
	X		
INCOMPATIBILITY (materials to avoid)		<input type="checkbox"/> Water <input type="checkbox"/> Acids <input type="checkbox"/> Bases <input type="checkbox"/> Oxidizers <input type="checkbox"/> Reducers <input type="checkbox"/> Other	
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION		CONDITIONS TO AVOID	
May Occur	Will not Occur		
	X		

VI. SPILL OR LEAK PROCEDURES

ENVIRONMENTAL IMPACT IF RELEASED OR SPILLED CORRECTIVE ACTION TO BE TAKEN	Impact confined to immediate area of spill. May injure aquatic life if discharged to open waters. Confine area of spill. Carefully sweep up spilled product and transfer to a suitable container for disposal or recovery of nickel.
WASTE DISPOSAL METHOD	Chemically treat waste to recover nickel. Dispose of as solid waste in approved dumping area. Follow regulations for chemical pollution control.

VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)		<input type="checkbox"/> Not normally required	<input checked="" type="checkbox"/> Other Use approved dust respirator suitable for nickel dusts.		
VENTILATION	LOCAL EXHAUST	Recommended		SPECIAL	
	MECHANICAL (general)	Required		OTHER	
PROTECTIVE GLOVESRubber		EYE PROTECTION	<input type="checkbox"/> Not normally necessary	<input checked="" type="checkbox"/> Chemical workers goggles	<input type="checkbox"/> Other
OTHER PROTECTIVE EQUIPMENT					

VIII. SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING	CAUTION: May Cause Irritation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
No DOT Label required	FIRST AID: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. Wash clothing before reuse.
OTHER PRECAUTIONS	Laundry contaminated clothing before reuse.
OTHER HANDLING AND STORAGE CONDITIONS	Normal warehouse storage in a cool dry area.